Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/04/2021 10:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124456	-1	1.25	124383	1.23
Blue	F	SSC	125000	124355	-1	2.76	124670	2.58
Blue	E	FITC	13131	12664	-4	2.22	292	15.11
Blue	D	PE	24112	23772	-2	1.67	546	10.40
Blue	B	PerCP-Cy5-5	31295	30541	-3	3.02	1014	13.89
Blue	A	PE-Cy7	19939	19830	-1	5.22	530	28.15
Red	C	APC	42122	41634	-2	2.95	1743	11.24
Red	A	APC-Cy7	22340	21689	-3	3.24	812	11.61
Violet	B	V450	7410	7087	-5	3.61	438	12.50
Violet	A	V500	28118	26867	-5	3.15	675	9.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22873	0.95	560	-9	N/A	N/A	Pass
Blue	F	SSC	57982	1.02	514	2	N/A	N/A	Pass
Blue	E	FITC	53	54.62	481	-6	0.0468	150	Pass
Blue	D	PE	114	36.61	484	-4	0.4940	375	Pass
Blue	B	PerCP-Cy5-5	190	34.30	579	-7	0.0221	75	Pass
Blue	A	PE-Cy7	107	66.33	622	-6	0.0239	6	Pass
Red	C	APC	405	23.29	577	1	0.0287	154	Pass
Red	A	APC-Cy7	182	26.87	550	-1	0.0062	763	Pass
Violet	B	V450	61	62.17	459	6	0.0587	2180	Pass
Violet	A	V500	97	34.80	470	5	0.0284	1122	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/04/2021 10:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.77	-31.56	1.00
Blue	20.36	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	15.86	13.60 - 20.40	N/A	N/A	29.96	30.14	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10297

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments